

661.66 : 661.666.2

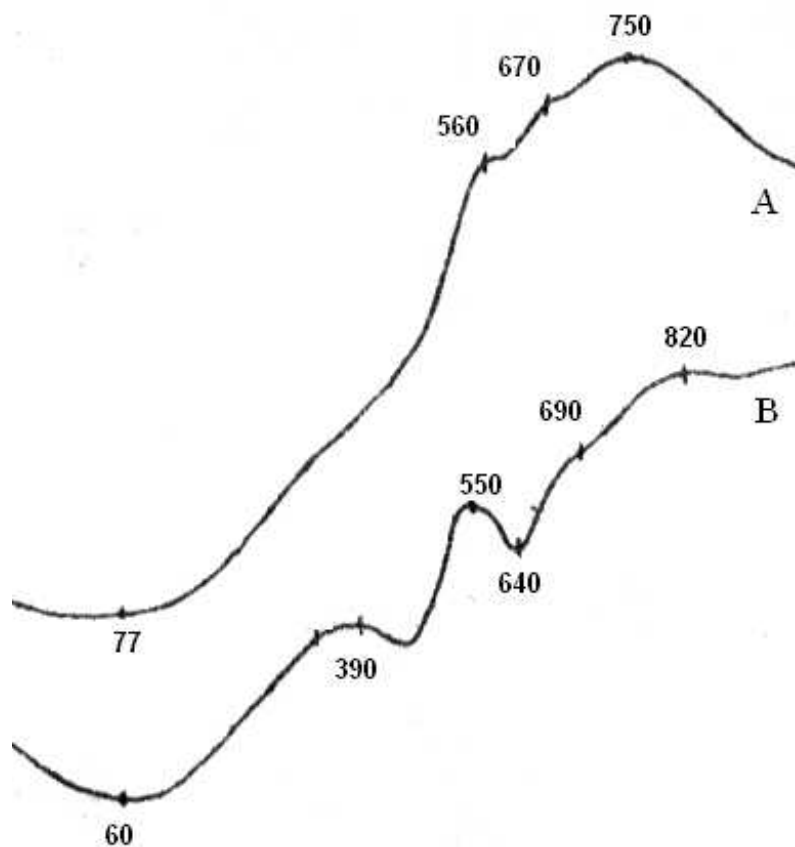
• • , • • ; • • ; • • ;
• • ; • • ; • • , « »

The reaction between tar and silica elementorganic compound and its sols in technological process of carbon-graphite items' production has been investigated. Synthesis of refractory compounds' particles in matrixes of carbon-graphite items has been revealed.

—
•
(15 – 32 %, – 80 – 85 %), (35 – 150 (200) 5), ,
, 200 °
, 400 – 500 °
[1].

, , ,
, , ,
, , ,
•
,
, ,
• [2, 3].

,
, ,
, ,
,
, ,



. 1.

60/40 () 75/25 ()

320 °

,

460 ° .

550 °

600 °

[7].

640 °

640 °

920 ° .

-SiC

-Si₃N₄

[5],

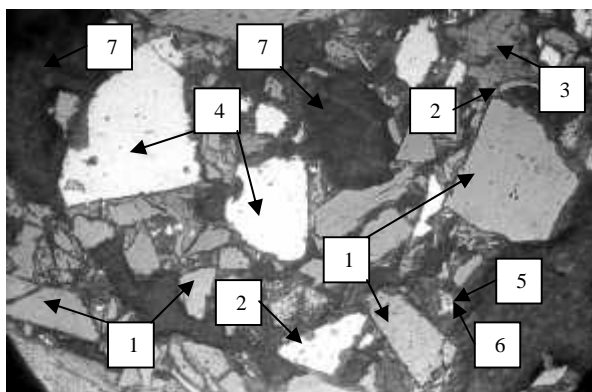
，
(. 1).

1450 ° .

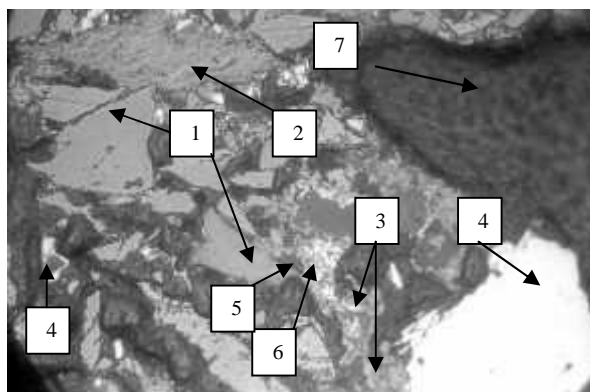
-102 .

1000 ° .

2 3.



. 2.



. 3.

-32 (640):

1 – , 2 – , 3 – ,
4 – , 5 – -SiC, 6 – -Si₃N₄,
7 –

-32/80 (320):

1 – , 2 – , 3 – ,
4 – , 5 – -SiC, 6 – -SiC,
7 –

: 1.

: , 1966. 497 . 2.

., 1974. 450 . 3.

., 1977,

.2. 813 . **4.** . . . : ., 1966. 310 . **5.** . . - -
. . : ., 1997. 144 . **6.** . .
. : , 1968.-470 . **7.** . . -
. . : , 1981. 208 .

10.09.07